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**OFFICIAL**

PATENT APPLICATION  
Attorney's Do. No. 5038-301

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of: Kuljit S. Bains, Robert M. Ellis, Chris B. Freeman,  
John B. Halbert and David Zimmerman

Serial No. 10/713,564

Examiner: Not Yet Assigned

Filed: November 13, 2003

Group Art Unit: Not Yet Assigned

For: METHOD AND APPARATUS FOR PROVIDING DEBUG  
FUNCTIONALITY IN A BUFFERED MEMORY CHANNEL

Confirmation No. 8265

**TRANSMITTAL LETTER**

Mail Stop Missing Parts  
Commissioner for Patents  
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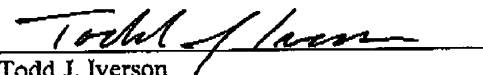
Enclosed for filing in the above-referenced application are the following:

- ☒ Copy of Notice to File Missing Parts
- ☒ Filing Fee (basic: \$770; additional claims fee \$212)
- ☒ Combined Declaration and Power of Attorney
- ☒ Surcharge for Late Filing of Fee or Oath or Declaration
  - ☐ \$65 - Small Entity ☒ \$130 - Large Entity
- ☒ PTO Form 2038 authorizing credit card payment for the above-listed fees
- ☒ Any deficiency or overpayment should be charged or credited to deposit account number 13-1703. A duplicate copy of this sheet is enclosed.

Customer No. 20575

Respectfully submitted,

MARGER JOHNSON &amp; McCOLLOM, P.C.

  
Todd J. Iverson  
Reg. No. 53,057

MARGER JOHNSON & McCOLLOM, P.C.  
1030 SW Morrison Street  
Portland, OR 97205  
503-222-3613

I hereby certify that this correspondence  
is being transmitted to the U.S. Patent and  
Trademark Office via facsimile number  
(703) 872-9306, on April 16, 2004.

Signature

  
Gady Wigmore



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
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APPLICATION NUMBER	FILING OR 371 (c) DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
10/713,564	11/13/2003	Kuljit S. Bains	5038-301

MARGER JOHNSON & McCOLLOM, P.C.  
1030 S.W. Morrison Street  
Portland, OR 97205

CONFIRMATION NO. 8265

## FORMALITIES LETTER

\*OC00000011909990\*

Date Mailed: 02/17/2004

## NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

04/22/2004 SMINASS1 00000082 10713564

FILED UNDER 37 CFR 1.53(b)

01 FC:1001 770.00 OP  
02 FC:1201 86.00 OP  
03 FC:1202 126.00 OP  
04 FC:1051 130.00 OP

Filing Date Granted

## Items Required To Avoid Abandonment:

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The statutory basic filing fee is missing.  
*Applicant must submit \$ 770 to complete the basic filing fee for a non-small entity. If appropriate, applicant may make a written assertion of entitlement to small entity status and pay the small entity filing fee (37 CFR 1.27).*
- The oath or declaration is unsigned.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.

The applicant needs to satisfy supplemental fees problems indicated below.

The required item(s) identified below must be timely submitted to avoid abandonment:

- Additional claim fees of \$212 as a non-small entity, including any required multiple dependent claim fee, are required. Applicant must submit the additional claim fees or cancel the additional claims for which fees are due.

## SUMMARY OF FEES DUE:

Total additional fee(s) required for this application is \$1112 for a Large Entity

- \$770 Statutory basic filing fee.
- \$130 Late oath or declaration Surcharge.
- Total additional claim fee(s) for this application is \$212

- \$86 for 1 independent claims over 3.
- \$126 for 7 total claims over 20.

Replies should be mailed to: Mail Stop Missing Parts  
Commissioner for Patents  
P.O. Box 1450  
Alexandria VA 22313-1450

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*A copy of this notice MUST be returned with the reply.*

  
Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE

PATENT APPLICATION  
Attorney Docket No. 5038-301  
Intel Matter No.: P16974

COMBINED DECLARATION AND POWER OF ATTORNEY  
FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled **METHOD AND APPARATUS FOR PROVIDING DEBUG FUNCTIONALITY IN A BUFFERED MEMORY CHANNEL**, the specification of which:

- ☐ is attached hereto.  
☒ was filed on November 13, as Application No. 10/713,564  
☐ and was amended on \_\_\_\_\_ (if applicable)  
☐ with amendments through \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, Sec. 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Sec. 119 (a)-(d) or §365(b) of any foreign application(s) for patent or inventor's certificate, or §365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

Claiming  
Priority?

\_\_\_\_\_  
(Number)

\_\_\_\_\_  
(Country)

\_\_\_\_\_  
(Day/Month/Year Filed)

☐ Yes ☐ No

I hereby claim the benefit under Title 35, United States Code, Sec. 119(e) of any United States provisional application listed below:

Provisional Application No.

Filing Date

COMBINED DECLARATION  
AND POWER OF ATTORNEY

1

DO. NO 5038-301  
INTEL REF. NO. P16974

I hereby claim the benefit under Title 35, United States Code, Sec. 120 or §365(c) of any PCT international application designating the United States of America listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Sec. 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Sec. 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

(Application No.) (Filing Date) (Status) (patented, pending, abandoned)

I hereby appoint the attorneys associated with the following customer number to prosecute the application, to file a corresponding international application, to prosecute and transact all business in the Patent and Trademark Office connected therewith:

CUSTOMER NO. 32231

Direct all telephone calls to James E. Harris at (503) 222-3613 and send all correspondence to:

MARGER JOHNSON & McCOLLOM, P.C.  
1030 S.W. Morrison Street  
Portland, Oregon 97205

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first inventor: Kuljit S. Bains

Inventor's signature: K. Bains

12/14/2003  
(Date)

Residence: Olympia, WA

Citizenship: India

Post Office address: 9146 52<sup>nd</sup> Lane NE  
Olympia, WA 98516

COMBINED DECLARATION  
AND POWER OF ATTORNEY

2

DO. NO 5038-301  
INTEL REF. NO. P16974

PAGE 6/9 \* RCVD AT 4/16/2004 4:55:19 PM [Eastern Daylight Time] \* SVR:USPTO-EFAXRF-1/1 \* DNIS:8729306 \* CSID:5032744622 \* DURATION (mm-ss):03-04

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

---

Full name of second joint inventor: Robert M. Ellis

Inventor's signature: Robert M. Ellis

3-18-2004  
(Date)

Residence: Hillsboro, OR

Citizenship: United States

Post Office address: 4177 SE Hemlock  
Hillsboro, OR 97123

Full name of third joint inventor: Chris B. Freeman

Inventor's signature: Chris B. Freeman

3/18/04  
(Date)

Residence: Portland, OR

Citizenship: United States

Post Office address: 12590 SW Bowmont Street  
Portland, OR 97225

Full name of fourth joint inventor: John B. Halbert

Inventor's signature: \_\_\_\_\_

\_\_\_\_\_  
(Date)

Residence: Beaverton, OR

Citizenship: United States

Post Office address: 15045 SW Emerald Court  
Beaverton, OR 97007

Full name of fifth joint inventor: David Zimmerman

Inventor's signature: \_\_\_\_\_

\_\_\_\_\_  
(Date)

COMBINED DECLARATION  
AND POWER OF ATTORNEY

3

DO. NO 5038-301  
INTEL REF. NO. P16974

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of second joint inventor: Robert M. Ellis

Inventor's signature: \_\_\_\_\_

\_\_\_\_\_  
(Date)

Residence: Hillsboro, OR

Citizenship: United States

Post Office address: 4177 SE Hemlock  
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Full name of third joint inventor: Chris B. Freeman

Inventor's signature: \_\_\_\_\_

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(Date)

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Post Office address: 12590 SW Bowmont Street  
Portland, OR 97225

Full name of fourth joint inventor: John B. Halbert

Inventor's signature:  \_\_\_\_\_

  
(Date)

Residence: Beaverton, OR

Citizenship: United States

Post Office address: 15045 SW Emerald Court  
Beaverton, OR 97007

Full name of fifth joint inventor: David Zimmerman

Inventor's signature: \_\_\_\_\_

\_\_\_\_\_  
(Date)

COMBINED DECLARATION  
AND POWER OF ATTORNEY

3

DO. NO 5038-301  
INTEL REF. NO. P16974

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of second joint inventor: Robert M. Ellis

Inventor's signature: \_\_\_\_\_

\_\_\_\_\_  
(Date)

Residence: Hillsboro, OR

Citizenship: United States

Post Office address: 4177 SE Hemlock  
Hillsboro, OR 97123

Full name of third joint inventor: Chris B. Freeman

Inventor's signature: \_\_\_\_\_

\_\_\_\_\_  
(Date)

Residence: Portland, OR

Citizenship: United States

Post Office address: 12590 SW Bowmont Street  
Portland, OR 97225

Full name of fourth joint inventor: John B. Halbert

Inventor's signature: \_\_\_\_\_

\_\_\_\_\_  
(Date)

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Inventor's signature:  \_\_\_\_\_

3/18/04  
(Date)

COMBINED DECLARATION  
AND POWER OF ATTORNEY

3

DO. NO 5038-301  
INTER DEE NO 016074